

Class 3 · Science Olympiad

Total questions 35	Total marks 40	Time 60 minutes	Negative marking None
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Each question has four options, of which only one is correct. Mark your answer on the answer sheet. The Achievers Section carries higher marks per question. The answer key with full solutions is at the end of this paper.

This is original practice material written to the Level 1 pattern. It is not a past paper and is not affiliated with SOF or any official olympiad body.

Logical Reasoning

5 questions · 1 mark each · 5 marks

Q1. Arjun walks 9 m towards north, turns right and walks 2 m, then turns right again and walks 9 m. How far is Arjun from the starting point, and in which direction?

- (A) 11 m, North (B) 2 m, West (C) 2 m, East (D) 9 m, East

Q2. Find the odd one out: 34, 36, 54, 72, 90

- (A) 54 (B) 72 (C) 90 (D) 34

Q3. Look at the pattern: star, circle, star, circle, star, ____ . Which shape comes next?

- (A) star (B) oval (C) hexagon (D) circle

Q4. Count backward in 5s: 65, 60, 55, 50, ____

- (A) 46 (B) 50 (C) 40 (D) 45

Q5. Which letter comes next? D, F, I, M, ____

- (A) S (B) R (C) Q (D) P

Science

25 questions · 1 mark each · 25 marks

Q6. What happens to ice kept in the hot sun?

- (A) It melts into water (B) It stays the same
(C) It becomes a stone (D) It turns into sand

Q7. Which organ pumps blood around the body?

- (A) The heart (B) The brain (C) The lungs (D) The liver

Q8. Which of these can fly?

- (A) Fish (B) Bird (C) Snake (D) Cow

Q9. Which gas in the air do we need to breathe?

- (A) Nitrogen (B) Oxygen
(C) Carbon dioxide (D) Helium

Q10. Which of these is a healthy food?

- (A) Candy (B) Fried chips (C) Cold drink (D) Fruit

Q11. What is the process of water changing into vapour called?

- (A) Evaporation (B) Melting (C) Condensation (D) Freezing

- Q12. Which sense organ do we use to taste?
 (A) The nose (B) The hands (C) The tongue (D) The eyes
- Q13. Which force pulls objects towards the Earth?
 (A) Magnetism (B) Gravity (C) Friction (D) Pressure
- Q14. Which of these is a wild animal?
 (A) Goat (B) Cow (C) Hen (D) Lion
- Q15. Which of these materials is attracted by a magnet?
 (A) Paper (B) Cloth (C) Glass (D) Iron
- Q16. Which animal gives us milk?
 (A) Fish (B) Crow (C) Cow (D) Hen
- Q17. How many planets are there in our solar system?
 (A) Eight (B) Nine (C) Seven (D) Ten
- Q18. Which of these is a means of transport?
 (A) Pillow (B) Spoon (C) Bus (D) Table
- Q19. Which organ helps us to breathe?
 (A) The lungs (B) The heart (C) The kidney (D) The stomach
- Q20. Where does a bird usually keep its eggs?
 (A) In a hive (B) In a web (C) In a nest (D) In a burrow
- Q21. Which liquid helps digest food in the mouth?
 (A) Bile (B) Saliva (C) Sweat (D) Blood
- Q22. Which of these do we get from a hen?
 (A) Eggs (B) Milk (C) Honey (D) Wool
- Q23. How many legs does an insect have?
 (A) Six (B) Eight (C) Ten (D) Four
- Q24. Which part of the plant is usually under the ground?
 (A) The leaf (B) The fruit (C) The root (D) The flower
- Q25. Which planet is known as the Red Planet?
 (A) Saturn (B) Jupiter (C) Mars (D) Venus
- Q26. Which of these is used to grow plants at home?
 (A) Soil in a pot (B) Glass in a pot
 (C) Plastic in a pot (D) Paper in a pot
- Q27. Water freezes into ice at which temperature?
 (A) 100°C (B) 0°C (C) -100°C (D) 10°C
- Q28. Which season is the hottest in India?
 (A) Spring (B) Summer (C) Monsoon (D) Winter

Q29. Which part of a plant takes in water from the soil?

- (A) The fruit (B) The leaf (C) The flower (D) The root

Q30. What do we wear in winter to keep warm?

- (A) Swimming costume (B) Raincoat
(C) Woollen clothes (D) Cotton vests only

Achievers Section

5 questions · 2 marks each · 10 marks

Q31. There are 5 boxes with 4 apples in each box. If 16 apples are eaten, how many are left?

- (A) 4 (B) 20 (C) 1 (D) 7

Q32. The bar graph shows the number of books read by a class on each day of one week. How many books were read in the whole week?



- (A) 105 (B) 100 (C) 110 (D) 115

Q33. A country's flag has saffron on top, white in the middle with a blue wheel, and green at the bottom. Which country is it?

- (A) Niger (B) India (C) Ireland (D) Italy

Q34. Choose the correct form: "The ____ playing in the park." (use the plural of 'woman')

- (A) women is (B) women are (C) woman are (D) womans are

Q35. Using each of the digits 0, 8, 2, 9 exactly once, what is the smallest 4-digit number that can be formed?

- (A) 0289 (B) 2098 (C) 9820 (D) 2089

Answer Key

1	2	3	4	5	6	7	8	9	10
C	D	D	D	B	A	A	B	B	D
11	12	13	14	15	16	17	18	19	20
A	C	B	D	D	C	A	C	A	C
21	22	23	24	25	26	27	28	29	30
B	A	A	C	C	A	B	B	D	C

31	32	33	34	35					
A	A	B	B	D					

Solutions

Q1. (C) The two 9 m walks (north, then south) cancel out, leaving only the 2 m walked towards the east. So the answer is 2 m, East.

Q2. (D) Every other number is a multiple of 9. 34 is not.

Q3. (D) The pattern repeats star then circle over and over, so after star comes circle.

Q4. (D) Subtracting 5 from 50 gives 45.

Q5. (B) The gaps grow by one each time (+2, +3, +4, +5), so after M the next letter is R.

Q6. (A) Heat makes ice melt back into water. The answer is It melts into water.

Q7. (A) The heart pumps blood to every part of the body.

Q8. (B) Birds have wings and can fly.

Q9. (B) We breathe in oxygen and breathe out carbon dioxide.

Q10. (D) Fruit gives us vitamins and keeps us healthy.

Q11. (A) Evaporation is liquid water turning into vapour; condensation is the reverse.

Q12. (C) We taste with our tongue. The answer is The tongue.

Q13. (B) Gravity is the force that pulls every object towards the centre of the Earth.

Q14. (D) A lion lives in the wild; the others are domestic animals.

Q15. (D) Magnets attract iron, nickel and cobalt. Glass, paper and cloth are not magnetic.

Q16. (C) We get milk from cows, buffaloes and goats.

Q17. (A) There are eight planets, from Mercury to Neptune.

Q18. (C) A bus carries people from place to place.

Q19. (A) The lungs take in oxygen from the air and give out carbon dioxide.

Q20. (C) Birds lay their eggs in a nest.

Q21. (B) Saliva moistens food and begins the digestion of starch in the mouth.

Q22. (A) Hens lay eggs.

Q23. (A) All insects have six legs. Spiders, which have eight, are not insects.

Q24. (C) Roots grow under the ground and hold the plant in place. The answer is The root.

Q25. (C) Mars looks red because of the iron oxide dust on its surface.

Q26. (A) Plants grow in soil, which holds water and nutrients. The answer is Soil in a pot.

Q27. (B) At normal pressure water freezes at 0°C and boils at 100°C.

Q28. (B) Summer is the hottest season.

Q29. (D) Roots absorb water and minerals from the soil and hold the plant firmly in place. The answer is The root.

Q30. (C) Wool traps warm air and keeps us warm. The answer is Woollen clothes.

Q31. (A) $5 \times 4 = 20$ apples in all, and $20 - 16 = 4$ are left.

Q32. (A) $25 + 5 + 30 + 20 + 25 = 105$ books.

Q33. (B) That describes the Indian tricolour with the Ashoka Chakra in the white band.

Q34. (B) The plural of 'woman' is 'women', and a plural subject takes 'are', so the answer is "women are".

Q35. (D) A 4-digit number cannot begin with 0, so the smallest possible first digit is 2. The remaining digits are then placed in increasing order: 2089.

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